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F C Tinsley* (ftinsley@coloradocollege.edu). *Characterizing ends of inward tame manifolds*. Preliminary report.

(joint with C R Guilbault) Our efforts to understand inward tame manifolds naturally has led us to consider an inward tame, one-ended manifold M^n with $n \geq 6$ that has a special nested sequence of neighborhoods of the end $(N_i, \partial N_i | i = 1, 2, \dots, \infty)$ in which each inclusion $\partial N_i \hookrightarrow N_i$ induces a $\mathbb{Z}\pi_1(\partial N_{i-1})$ -homology equivalence. We discuss the geometric structure of such ends and whether the Wall obstruction vanishes. (Received January 27, 2014)